

SHIP: USS OAK HILL (LSD-51)

SPECIFICATION NUMBER: SSP-013-02

ERRATA NUMBER: ONE

THIS PERMANENT CHANGE UPDATES THE SPECIFICATION BID PACKAGE.

REMOVE THE FOLLOWING PAGES AND INSERT THE PAGES LISTED BELOW:

REMOVE

ITEM: PAGE:

496-11-001 All

INSERT

ITEM: PAGE:

496-11-001 All

DATED: 10 OCTOBER 2001

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ITEM NO: 496-11-001

PCN: OE01-1234

CMP : NONE

SURVEYOR: BOWE

1. SCOPE:

(E1) 1.1 Title: AS-1735/SRC (serial# 2330) Antenna Coaxial Cable Assembly;
replace

1.2 Location of Work:

1.2.1 09-43-0-MAST

(E1) 1.3 Identification:

1.3.1 Quantity (175 Ft), Coaxial Cable (RG-323/U) and Connector P3
(Andrew Type 45 AM OR Equal)

1.3.2 Quantity (2 Ft), Coaxial Cable (RG-218/U), Connectors P1, P2 (UG-154A/U) and (UG-155B/U) Adapter

1.4 Security Classification of Equipment, Components, Spaces and Documents: The Equipment, Space or Document is classified and subject to the applicable provisions of the Industrial Security Manual, DOD 5220.22M (0584-LP-179-6400).

1.4.1 Spaces:

1.4.1.1 Communication Center (04-30-0-C) (CONFIDENTIAL)

2. REFERENCES:

a. Standard Items

b. 0967-LP-308-4010, Technical Manual for Antenna AS-1735/SRC

c. 0967-LP-000-0110, Electronics Installation and Maintenance Book
Installation Standards

d. 0967-LP-000-0130, Electronics Installation and Maintenance Book, Test Methods and Practices

e. MIL-STD-1310, Shipboard Bonding, Grounding, and Other Techniques for Electromagnetic Compatibility and Safety

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- f. 408-4589126 Rev C, Procedure for Weatherproofing Multi-Pin and Coax Connectors

3. REQUIREMENTS:

(E1) 3.1 Disconnect electrically and mechanically and remove the coaxial cable assemblies listed in 1.3 using 2.b for guidance. Record electrical hook-up data.

3.2 Install electrically and mechanically new coaxial cable assemblies in place of that removed in 3.1 using 2.b and the recorded electrical hook-up data for guidance.

(E1) 3.2.1 Pigtail a section of RG-218/U cable to the antenna end of the RG-323/U transmission line using new connectors and adapter listed in 1.3. Pigtail cable is not to exceed 24 inches in length.

3.2.2 Bond and ground equipment and cabling in accordance with 2.e.

3.2.3 Install new mounting fasteners conforming to MIL-S-1222, Type I, Grade 304 CRES.

3.2.4 Weather proof cable connectors exposed to the weather in accordance with 2.f.

3.3 Accomplish the requirements of 009-12 of 2.a, including Table 2, Column A, Lines One through 7.

3.4 Accomplish the requirements of 009-32 of 2.a for the new and disturbed normally painted surfaces.

(V)(G) "INSERTION LOSS MEASUREMENTS"

3.5 Accomplish insertion loss test on coaxial cable in accordance with Paragraph 5-2.11 of 2.d. Tests shall be accomplished over frequency range of equipment being tested.

3.5.1 Submit four legible copies of the recorded measurements to the SUPERVISOR.

(V)(G) "VSWR MEASUREMENTS"

3.6 Accomplish swept voltage standing wave ratio (VSWR) test on coaxial cable in accordance with Paragraph 5-2.11 of 2.d. Test shall be accomplished over the frequency range of equipment being tested.

3.6.1 Use standard VSWR reference loads at several points (i.e., 1.1:1, 1.25:1, 1.5:1, 2:1 and 3:1) to establish reference lines from lower to upper frequency limits.

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3.6.2 Submit four legible copies of the recorded measurements to the SUPERVISOR.

(V)(G) "TIME DOMAIN REFLECTOMETER TEST"

3.7 Accomplish time domain reflectometer (TDR) test on the coaxial cable in accordance with Paragraph 5-7 of 2.d. Terminate each coaxial cable within its characteristic impedance and coefficient (RHO) control at maximum sensitivity. Record results on an X-Y recorder.

3.7.1 Submit four legible copies of a report listing results of the requirements of 3.7 to the SUPERVISOR.

(V)(G) "OPERATIONAL TEST"

3.8 Accomplish an operational test of the AS-1735/SRC antenna using 2.b for guidance and ensure proper operation in each mode, using regulated power within the limits specified in 2.b.

4. NOTES:

4.1 None.

5. GOVERNMENT FURNISHED MATERIAL (GFM):

5.1 None.